

Category: Tobacco Added Ingredients

Ingredients Name: American Top Note Flavor

CAS#: Not available

Preface:

Licorice is used by tobacco companies as a flavoring/sweetening agent, a moisturizing agent and as a flavor harmonizing agent. Virtually all American cigarettes use casing materials such as licorice to mellow nicotine harshness, enhance the flavor of the tobaccos and to increase smoothness and body. Licorice enhances tobacco smoke by masking the undesirable characteristics of different types of tobaccos. It provides a hard to detect pleasant sweet undertone to the smoke. Licorice reduces dryness in the mouth and throat of smokers. It also improves the moisture holding characteristics of tobacco thus increasing stability and shelf life and improves the rate of absorption of flavors uniformly and evenly into tobacco. The 1981 usage levels of licorice in cigarette tobacco ranged from .25-.4% and in chewing tobacco from 3-6%. A 1983 study shows increasing the amount of licorice from moderate to high results in increasing smoke heaviness and body and a slight amount of mouth-coating. RJR has examined reducing the concentration of licorice and stated in 1969 that a 25% reduction would not significantly affect smoke quality. Minimal information found thus far on licorice toxicity. Licorice Fluid Extract CAS number: 97676-23-8, 84775-66-6 Synonyms: Glycyrrhizin glabra extract Industry claims found in: glycyrrhizin Industry claims used in: baked goods, candy, meat products, frozen dairy desserts Possible physical or functional effects: Flavor enhancers; Flavoring agents and adjuncts; Surface-active agents properties: industry claims FEMA GRAS; industry claims FDA GRAS; used in cigarettes; used in smokeless tobacco Licorice Powder Industry claims found in: glycyrrhizia Industry claims used in: baked goods, candy, meat frozen dairy desserts properties: industry claims FEMA GRAS; industry claims FDA GRAS; used in cigarettes Licorice Root CAS number: 8008-94-4 Synonyms: Licorice root extract; Glycyrrhiza extract Chemical class: Herbs, Essential Oils, Extracts Industry claims found in: glycyrrhizia Industry claims used in: candy, baked goods, meat products, frozen dairy desserts possible physical or functional effects: Flavor enhancers; Flavoring agents and adjuncts; Nutrient supplements; Surface-active agents properties: industry claims FEMA GRAS; industry claims FDA GRAS; used in cigarettes; used in smokeless tobacco toxicology: LD50 (oral, rat) 14,200 mg/kg; mod. toxic by IP, subcut. routes; mildly toxic by ingestion; mutagenic data; heated to decomp., emits acrid smoke and irritating fumes

Licorice as the major content of American Top Note Flavor
(Licorice Fluid Extract, Powder, and Root)

Toxicological Information of licorice root extract

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Unlikely to cause skin irritation. Eyes: Dust may cause eye irritation. Ingestion: Swallowing this material during normal handling is not likely to be harmful. Inhalation: This material may produce dust. May cause respiratory tract irritation. Breathing small amounts of this material during normal handling is not likely to be harmful. The toxicological properties of this substance have not been fully investigated.

HAZARDS IDENTIFICATION

General: No risk implied when handled under normal conditions.

Inhalation: No risk implied when handled under normal conditions.

Eye Contact: No risk implied when used under normal conditions.

Skin Contact: No risk implied when used under normal conditions.

Ingestion: Do not ingest.

References:

1. Licorice root extract MSDS, Science Lab.com
2. Licorice extract MSDS, making cosmetics.com
3. Tobacco Documents Online, <http://tobaccodocuments.org/profiles/licorice.html>